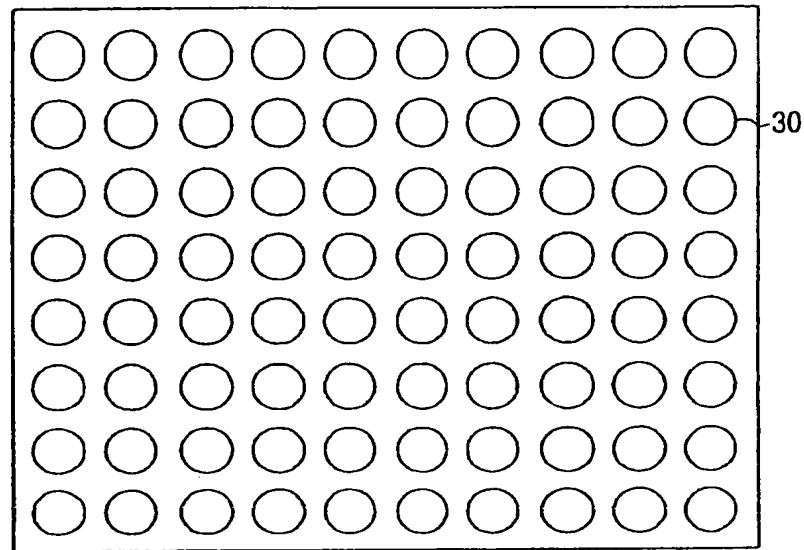
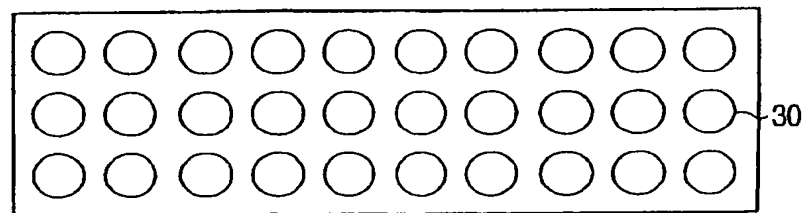


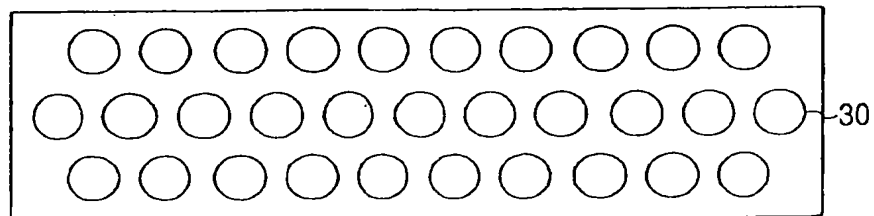
*FIG. 2 (A)*



*FIG. 2 (B)*



*FIG. 2 (C)*



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FIG. 3 (A)

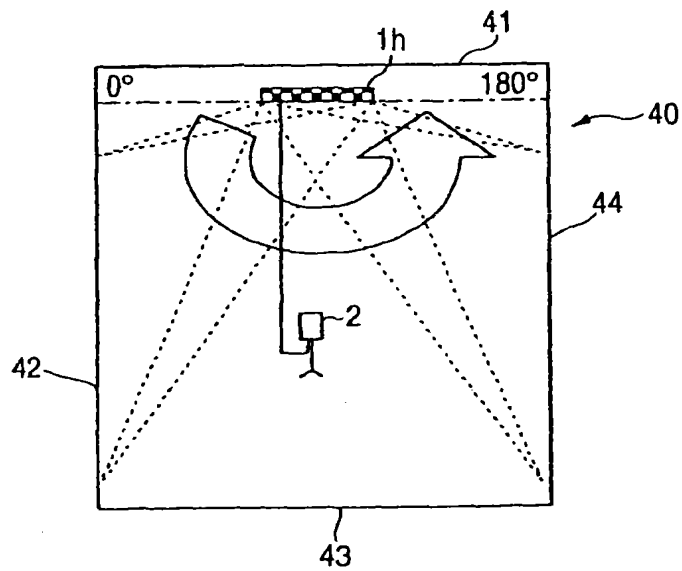
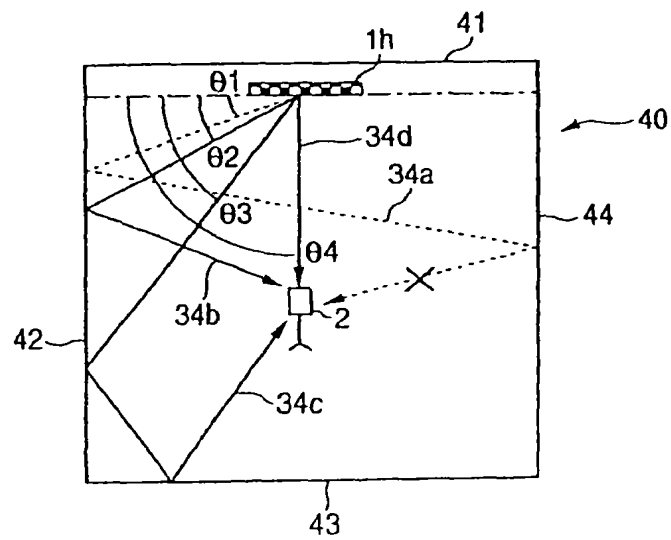
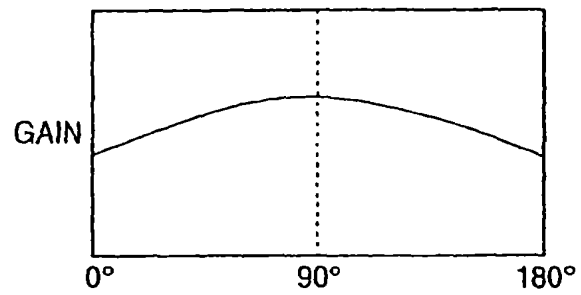


FIG. 3 (B)

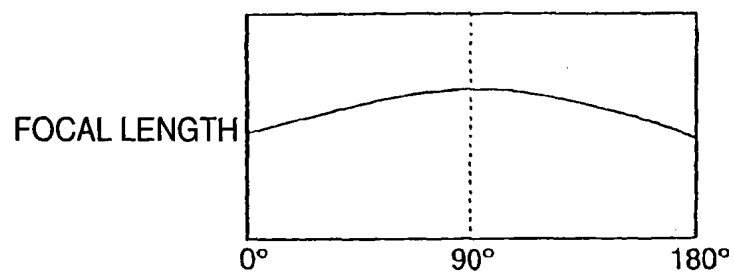


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*FIG. 4 (A)*



*FIG. 4 (B)*



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FIG. 5 (A)

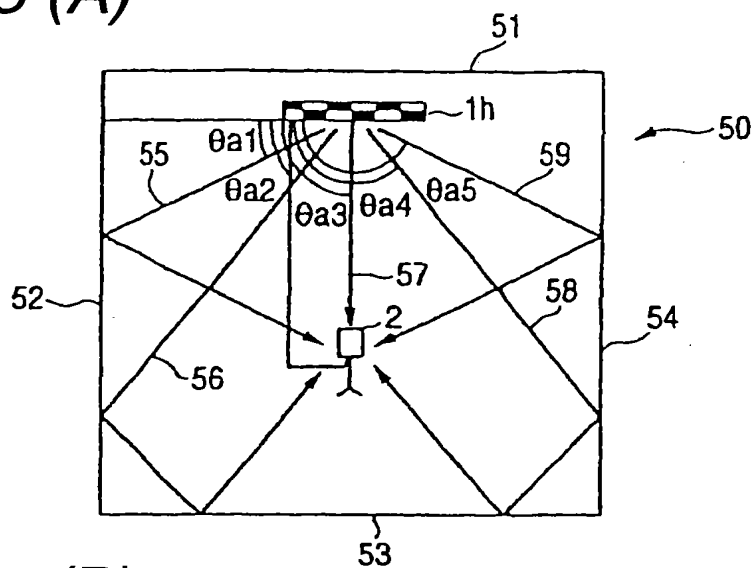


FIG. 5 (B)

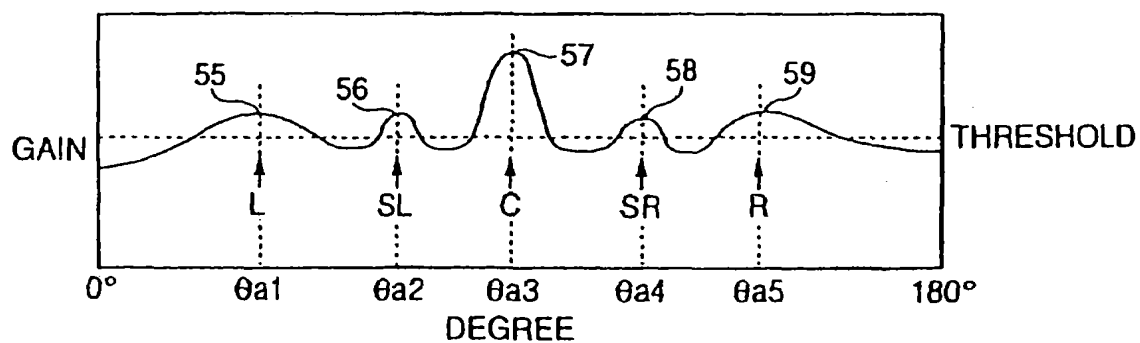
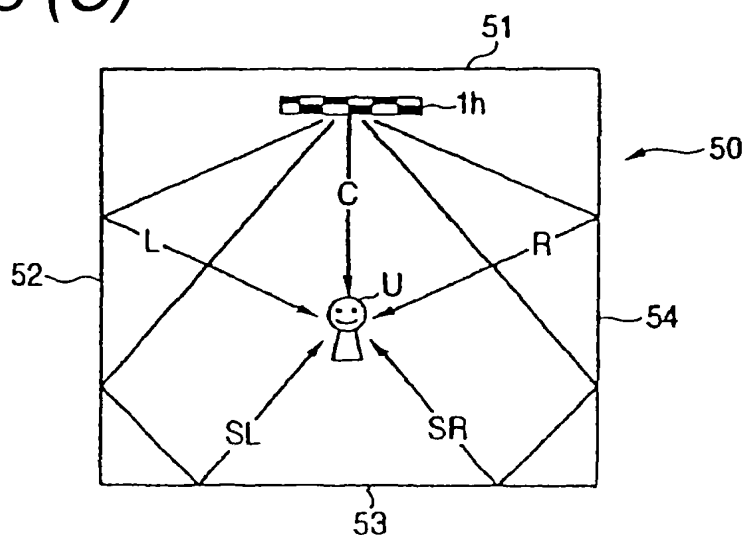


FIG. 5 (C)



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FIG. 6 (A)

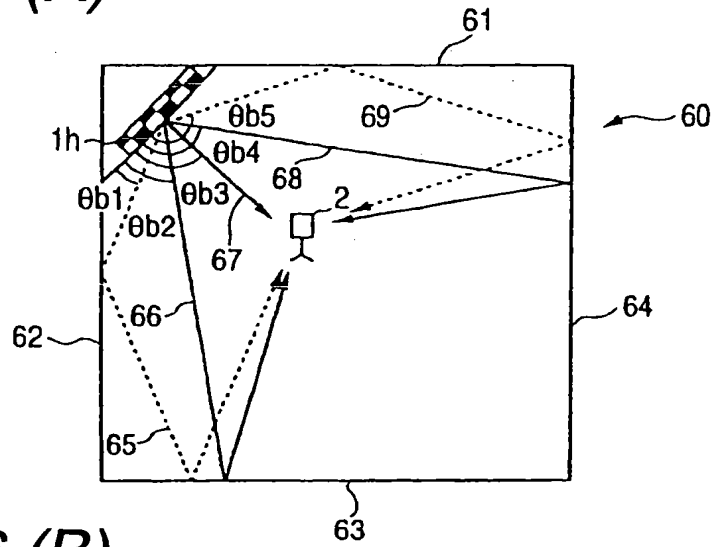


FIG. 6 (B)

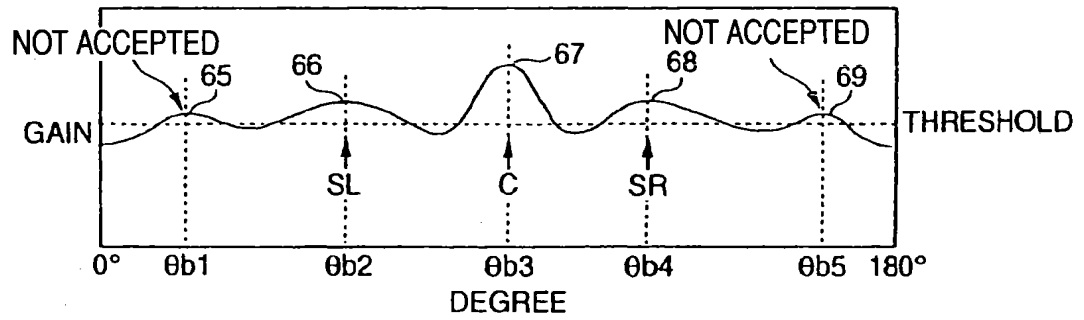
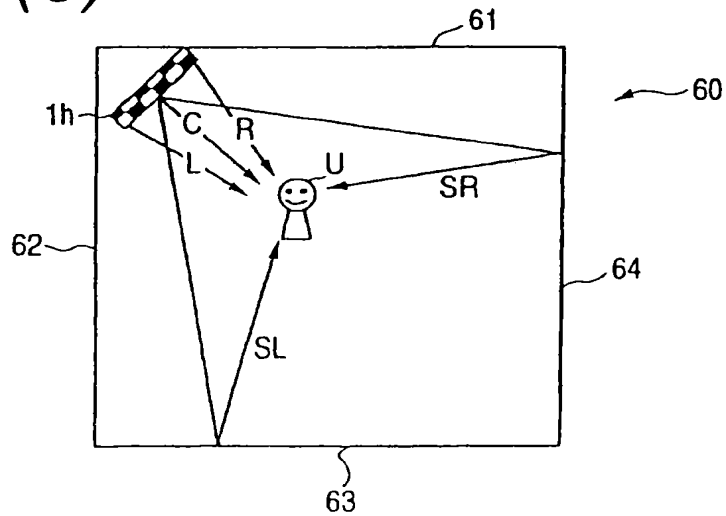


FIG. 6 (C)



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FIG. 7 (A)

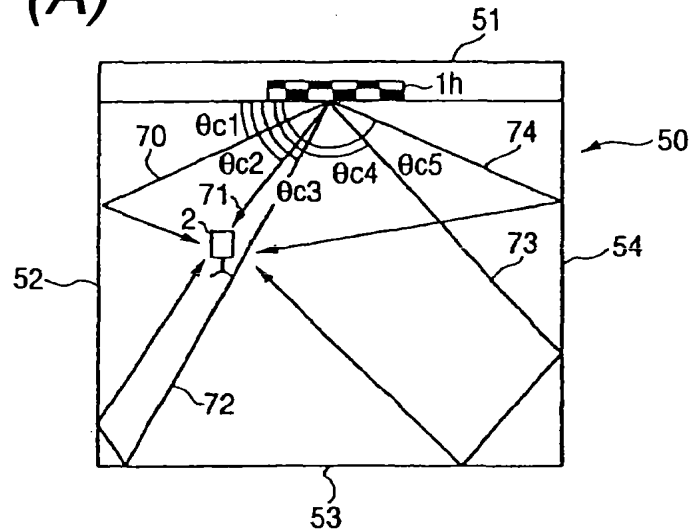


FIG. 7 (B)

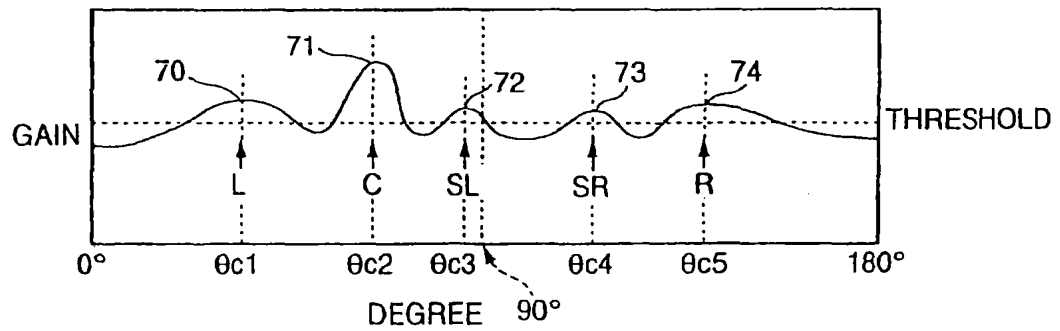


Diagram illustrating a laser scanning system (75) in a stepped room environment. The system includes a scanner (1h) and a receiver (2). The room features a stepped floor (78) and a stepped wall (79). The scanner (1h) emits a laser beam (82) at an angle  $\theta d1$  and a receiver (2) receives the beam at an angle  $\theta d2$ . The beam is reflected off the floor (78) at an angle  $\theta d3$  and off the wall (79) at an angle  $\theta d4$ . The receiver (2) is positioned at a distance 84 from the scanner (1h). The room is divided into sections 76, 77, 80, 81, 83, 85, and 86. The floor is labeled 78 and the wall is labeled 79.

Diagram illustrating a user (U) wearing a head-mounted display (HMD) system. The HMD includes a display (1h) and sensors (L, C, R) positioned to capture data from the user's environment (SL, SR). The system is connected to a processing unit (75) via a communication link (76). The user is shown interacting with the system through a control interface (77).



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FIG. 9 (A)

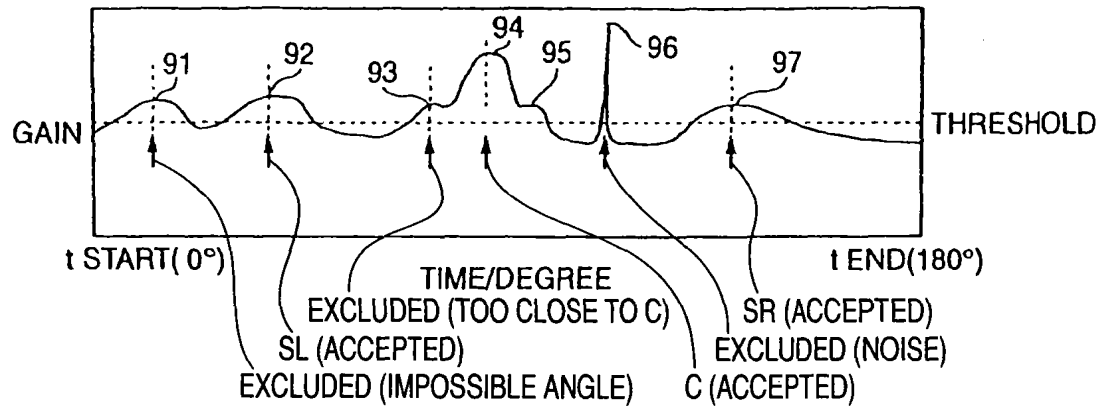


FIG. 9 (B)

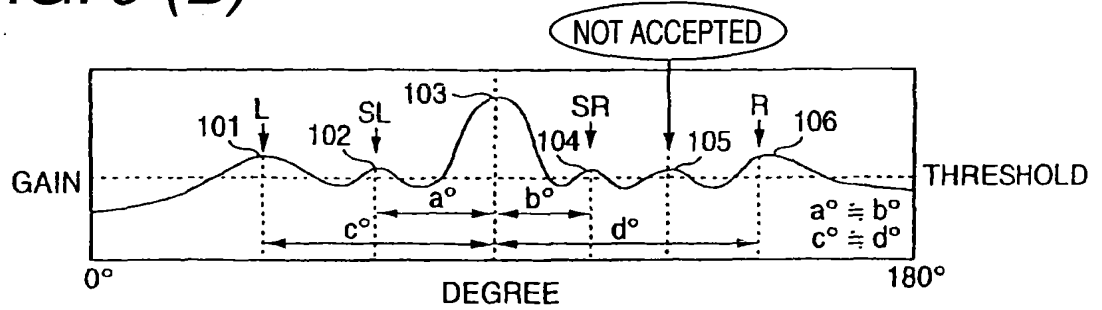
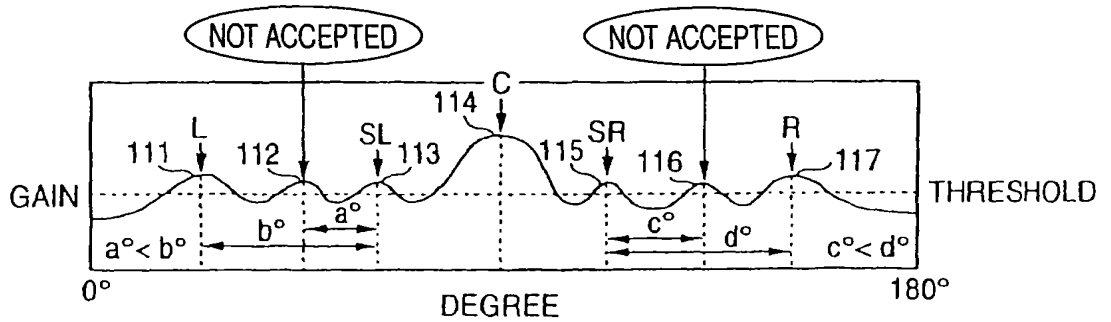


FIG. 9 (C)



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FIG. 9 (D)

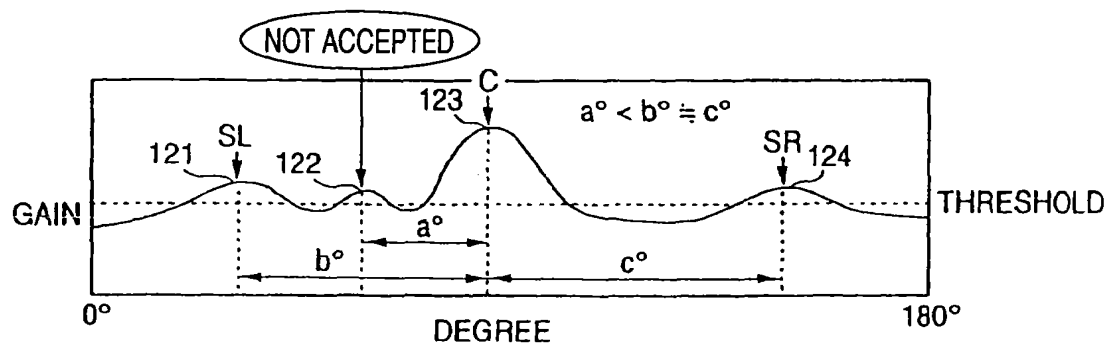
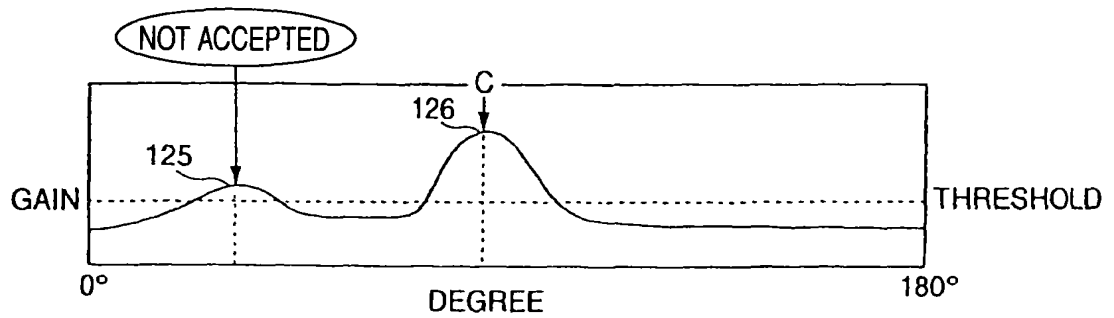


FIG. 9 (E)



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FIG. 10 (A)

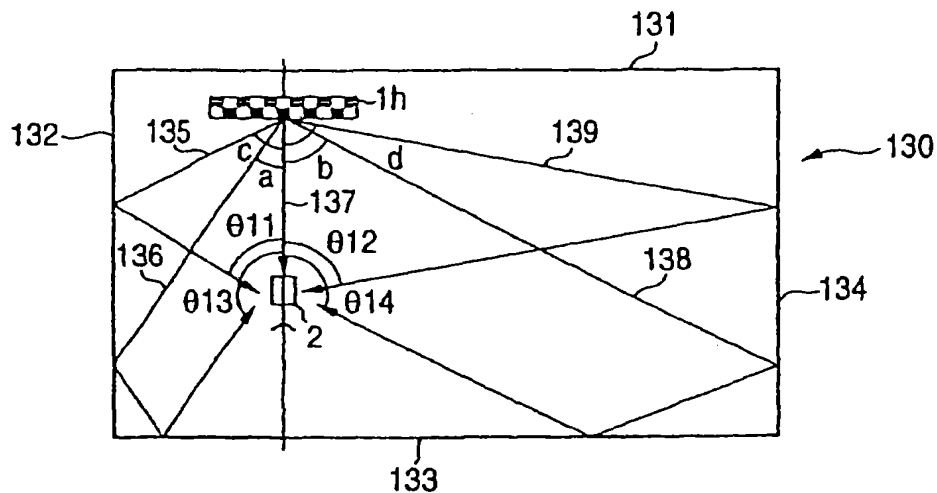


FIG. 10 (B)

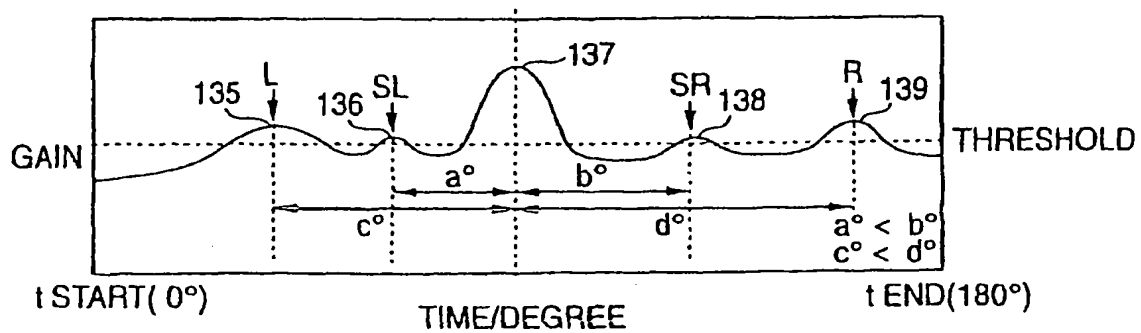
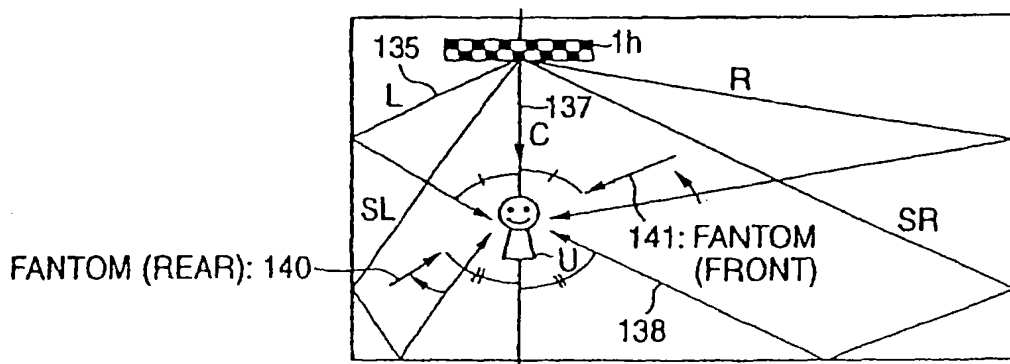
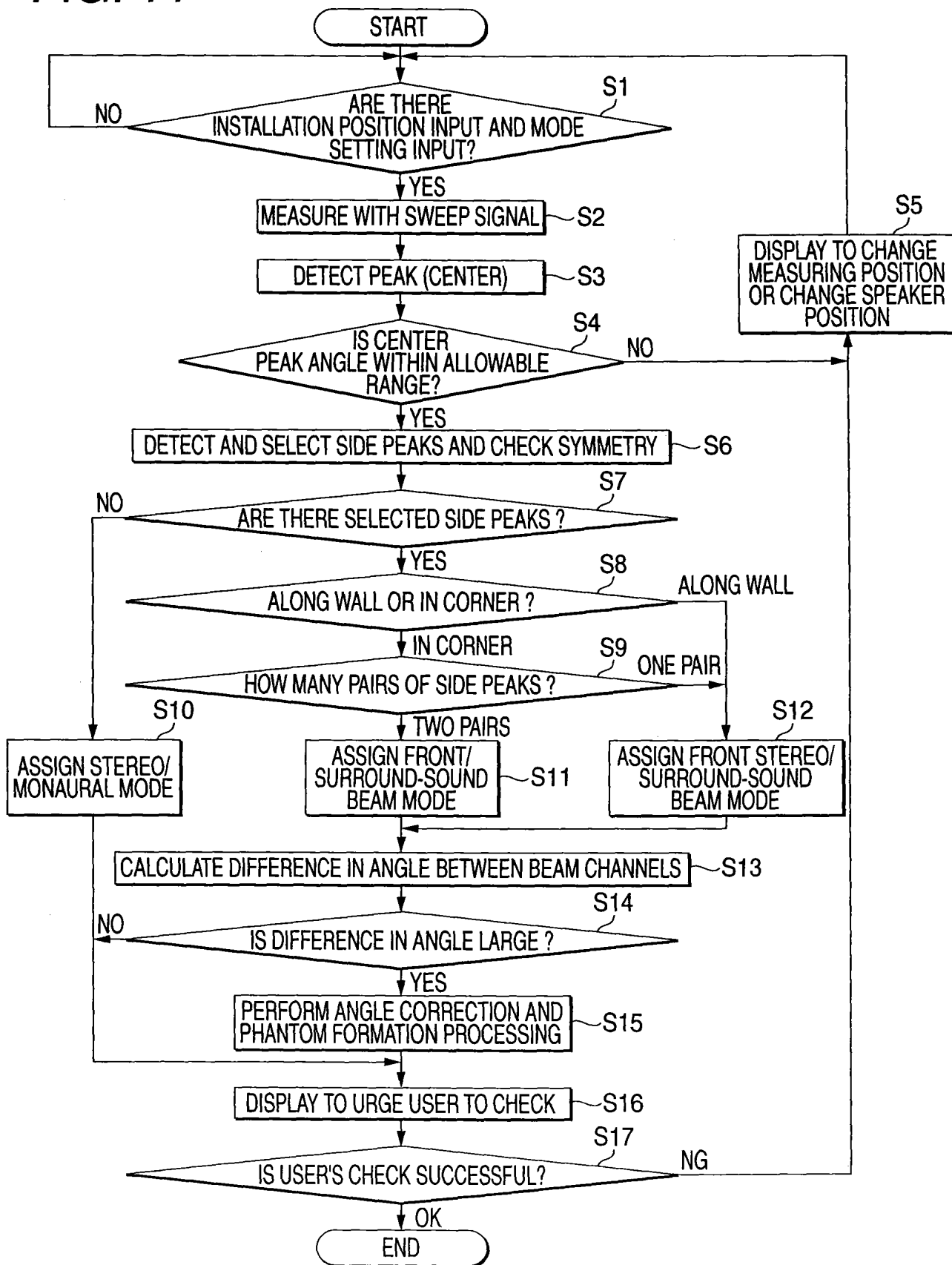


FIG. 10 (C)



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FIG. 11



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FIG. 12

